Preliminary For Review



LOW ACTIVITY WASTE PRETREATMENT SYSTEM

Hanford Site Richland, WA PROJECT NUMBER 31269 (T5L01)

DATA SHEET NUMBER: 210LP-PA-BC-CRN-001

FOR

Weather Enclosure Crane 210LP-PA-BC-CRN-001

PREPARED FOR

Washington River Protection Solutions, LLC

AECOM 6200 South Quebec Street Greenwood Village, Co 80111

Revision: A Status: Draft

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AEC ATKINS		Weather En	Project No Data Shee Revision	et No.:	31269 (T5L01) 210LP-PA-BC-CRN-001 A							
DATA SHEET REVISION PAGE												
Project Name:	LOW ACTIV	VITY WASTE PRI	ETREATMENT	_Discipline:_	Mecha	nical						
Client:	Washingto	on River Protecti	ion Solutions, LLC	<u>LC</u>								
Revision Signatures												
J. Dixon				D. SKEATH	-							
Prepared By		Date	•	Approved E) Date						
S. Bultemeier				B. ATHER	B. ATHERTON							
Checked By Date			•	Approved E) Date						
Status	Rev No	Date	Prepared By	Pages	De	escription of Changes						
Draft	A	7/20/2016	J. Dixon	3		For IDR						
Safety Related Yes ☑	d No □		Quality Level Full QA	Enhanc	ed QA	☐ Commercial QA ☐						
163 &			Page 2 of 3 ONFIDENTIAL AND PR © 2011 AECOM - ALL F	3 COPRIETARY		U Commercial QA L						

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1	AECOM ATKINS	Α		BRIDGE CRANE	DATA SHEET		ITI	EM NUMB	BER		PAGI	E		1
2		AREVA	☐ INQUIRY		STUDY [REC	CORD		-PA-BC-CR	N-001	1		1	2
3	 					JOB N			B NO.			E:		3
4				LOW ACTIVITY WASTE				1269 (T5L0			7/20/20		4	
5	SOLUTIONS,			PRETREATM	ENT SYSTE	:M	SF	PEC. NO.	1	5-2-007	BY:	Joe	Dixon	5
6	REVISIONS A	7/20/16, Joe Dixon												6
7	(DATE & BY) SERVICE			MANUFACTURER				NO. R	FO'D	SOURCE	= OF OI	IOTE		7
8				MANOI ACTORER				NO. IX		SOURCE				8
9	WEATHER ENC	LOSURE CRANE		FOLUDME	TBD NT DETAILS				1			TBD		9 10
10				EQUIFINE	NI DETAILS									11
12	DESIGN INFORMATION				DESIGN IN	IFORM	ATION (continue	4)					12
13	DEGICINI ORIMATION				DEGIGIA	ii Orani	AHON	commuce	<u> </u>					13
14	Number of cranes required:		1		Max. allowa	able end	dtruck wie	dth:	15 ft bumpe	er to bump	er			14
15	Number of cranes on runway:		1	<u> </u>	Max. allowa			-	148,000 lb		-			15
16	<u> </u>													16
17				on south girder	rder				· ·					17
18	Capacity:				POWER &	CONT	ROLS							18
19	Main hoist:	30 ton			Power requ	ired:								19
20	Aux. hoist(s):	1 ton each			AC - volts / phase / hertz:				480V / 3 Phase / 60Hz					20
21	Bridge:	32 ton			DC - volts:				N/A					21
22	Total lift (highest to lowest point):				Area classification:				(TBD)					22
23	Main hoist:	61' 10"			Motor enclo	sure ty	rpe(s):	- -	TENV					23
24	Aux. hoist(s):	61' 10"			Electrification	on meth	hod:							24
25	Main hoist hook type:	Powered rotate lat		-	Bridg			-	Festoon					25
26	Main hook approach:	4' 6" to end of brid		sides minimum		hoist/tr	•	-	Festoon					26
27	Aux. hoist hook type:	Free swivel latch s	•			hoist/tro	•	-	Festoon					27
28	Aux. hook approach:	4' 6" to end of brid	ge on both s	sides minimum	Junction bo			-	NEMA Type					28
29	Runway length:	124' 7"			Control me	thod(s):	:	_	Wireless pe			control		29
30	Runway span:	82' 0"			Control loor	ation(a)		-	station with					30
31	Speeds required: Bridge:	Voirable up to 125	ft/min		Control loca	ation(S)		-	Main workir area locate	•		•	<u>n</u>	32
32	Main hoist:	Vairable up to 125 Variable up to 10 f			Cameras:			<u>-</u>	area iocate	u above in	e Huck L	Jay.		33
34	Main trolley:	Variable up to 100			Quan	tity.			4					34
35	Aux. hoist(s):	Variable up to 10 f				tion(s):		-	Two bridge	one trolle	v one lo	ad block		35
36	Aux. trolley:	Variable up to 100		<u> </u>	2000	(0).		-	Load block				ened	36
37	Service environment (in/outdoor):	Indoor			Monit	or(s):		_	2 x 24" or la					37
38	Max. temperature:	110° F			DVR:			-	Capable of recording 4 or more channels					38
39	Min. temperature:	50° F						-	with 1TB dr					39
40	Humidity:	0 to 100%						_						40
41	Service Class (CMAA):	Heavy Duty Class	D		Safety Des									41
42	Bridge Service:				Seisr	nic Des	sign Crite	ria:	SDC-3, Lim	it State A/	NDC-3,	satasfied	by	42
43	Moves/Hour:	0.5						_	NOG-1 req	uirements	identified	d in the		43
44	Hour/Day:	10 hrs 5 day	s a week					_	crane speci	fication. C	rane mu	ist stay on	1	44
45	Speed:	Maximum						-	rails, mainta				not	45
46	Average movement:	60 ft						_	required to	operate af	ter seisn	nic DBE.		46
47	Main Hoist Service:				004-4	v C=:+:-	ol Come	ononto:						47
48	Lifts/Hour:	0.5	m o :1		Saret	y OHIC	al Compo	-	All items in				are_	48
49	Hour/Day:	10 hrs 5 day	s a week					-	Safety Sign					49
50	Average height of lift: Speed:	50' Maximum						-	defined in the	ie crane s	Jecilicat	1011		50
51 52	Speed: Load attachment (hook.				Quali	ty Rea	uirements	s for Safet	y Items:					51 52
53	Aux. Hoist(s) Service:	1100K			Quali	,			All items ide	entified as	safety s	ignificant	are	53
54	Lifts/Hour:	0.5						-	to be built to					54
55	Hour/Day:	10 hrs 5 day	s a week					-	All other ite				~	55
56	Average height of lift:	50'						-	Assurance					56
57	Speed:	Maximum		_				-		, ,				57
58	Load attachment (hook,				NOTES & A	<u>ADDITI</u>	ONAL IN	VFORMAT	TION .					58
59	Material/Load to be handled:	Main hoist to hand	le shield pla	ites and					all informati				shall	59
60		maintenance activi	ites. Auxillia	ary hoists to	clear	y mark	/note any	deviation	is from the I	Buyer supp	lied info	rmation.		60
61		handle only replace	ement of pip	oe jumpers.										61
62									ce and com					62
63	Special service conditions:	Radiation level: TE				headir Specific		Data She	et, and the	ntacnmen	is that fo	orm a par	ı Oī	63
64		Lower Block radiat	tion level: TI	BD rd/hr							_			64
65		Expected to have i	intervals of	inactivity	The Note of the Inc.		cturer sha	all refer to	the Building	g Clearanc	e Drawii	ng(s) note	ed	65
66					Delov				=					66
67	Paint:	Safety Yellow, lead	d and chrom	nate free					Veather End			_		67
68									Veather End					68
69						m-16-(uu∠uu3, <i>i</i>	LAWPS N	eather End	iosure Cra	ne Build	ung Sectio	บก	69





